

Mumbai University

Question Paper

**[CBSGS – 75:25 PATTERN]
(OCTOBER – 2017)**

PAPER - IV

ELECTIVE

**PROJECT
MANAGEMENT**

Time: 2 ½ Hours**Total Marks:** 75**N.B.:** (1) All Question are Compulsory.

(2) Make Suitable Assumptions Wherever Necessary And State The Assumptions Made.

(3) Answer To The Same Question Must Be Written Together.

(4) Number To The Right Indicates Marks.

(5) Draw Neat Labeled Diagrams Wherever Necessary.

(6) Use of Non – Programmable Calculator is allowed.

Q.1 ATTEMPT ANY TWO QUESTIONS: (10 MARKS)

- (A) Explain how software product size can be reduced. Also discuss how it contributes to the improvement of Software Economics? (5)
- (B) What are the best practices to be followed for improving the overall quality of software? (5)
- (C) Explain five symptoms of a project that is headed for trouble. (5)
- (D) Explain the three generations of Software Economics. (5)

Q.2 ATTEMPT ANY TWO QUESTIONS: (10 MARKS)

- (A) What are the Primary Objectives during engineering stage of a Modern Software Development Process? (5)
- (B) Explain the top five principles of Modern Management. (5)
- (C) What is an Artifact? What are the two forms of requirements addressed in release specification? (5)
- (D) Explain the importance of Software Architecture. State the three different aspects of Software Architecture from management perspective. (5)

Q.3 ATTEMPT ANY TWO QUESTIONS: (10 MARKS)

- (A) List the purpose of milestones in the Project Life Cycle. State the three types of Joint Management Review. (5)
- (B) Explain Forward and Backward-Looking approach of cost and schedule estimating process. (5)
- (C) What is the significance of Periodic Status Assessments? Explain the Default Content of Status Assessment Reviews. (5)
- (D) Explain the concept of Workflow? Describe Major Workflows involved in Software Development. (5)

Q.4 ATTEMPT ANY TWO QUESTIONS: (10 MARKS)

- (A) Why an independent team is used for software assessment? Explain the activities of software assessment team over the Project Life Cycle. (5)
- (B) Explain the automation aids and tool components that support the process workflows. (5)
- (C) What are the main features of default Line-Of-Business Organization? What are the typical components of the organizational infrastructure? (5)
- (D) What is Software Change Order? What are the primitive components of a Software Change Order? (5)

Q.5 ATTEMPT ANY TWO QUESTIONS: (10 MARKS)

- (A) What are the characteristics of Modern Iterative Development Framework? What are the steps to follow to transition to a mature iterative development process? (5)
- (B) Give an account of next-generation software cost estimation models. (5)
- (C) Discuss nine best practices of Software Management. (5)
- (D) With the help of diagram explain risk profile of a modern project across its Life Cycle. (5)

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Q.6 ATTEMPT ANY TWO QUESTIONS: (10 MARKS)

- (A) What are the characteristics of Modern Iterative Development Framework? What are the steps to follow to transition to a mature iterative development process? (5)
- (B) Give an account of next-generation software cost estimation models. (5)
- (C) Discuss nine best practices of Software Management. (5)
- (D) With the help of diagram explain risk profile of a modern project across its Life Cycle. (5)

Q.7 ATTEMPT ANY THREE QUESTIONS: (15 MARKS)

- (A) With the help of diagram explain Predominant Cost Estimation process. What are the characteristics of a good estimate? (5)
- (B) Write short note on implementation and Deployment Set. (5)
- (C) Define WBS. Write short note on evolutionary WBS. (5)
- (D) Write short note on Organization Policy. (5)
- (E) Define the following terms: (5)
- (i) *Adaptability*
 - (ii) *Breakage*
 - (iii) *Rework*
 - (iv) *Maturity*
 - (v) *Stability*
- (F) Explain any five indicators of a successful transition to a modern culture focused an improved software business performance. (5)
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